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adapting speaker recognition models

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[PDF] •Speaker verification using adapted Gaussian mixture models

DA Reynolds, TF Quatieri, RB Dunn - Digital Signal Processing, 2000 - Ilwebprod.II.mit.edu

... closely resembles **speaker** adaptation used in speech **recognition** applications. ... 3.

Pictorial example of two steps in **adapting** a hypothesized **speaker model**. ...

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The use of cohort normalized scores for speaker verification

AE Rosenberg, J DeLong, CH Lee, BH Juang, FK Soong - Second International Conference on Spoken Language ..., 1992 - ISCA

... by averaging feature vectors extracted in verification trials with **model** parameters

after each true **speaker** verification trial. **Adapting speaker models** in this ...

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Comparison of background normalization methods for text-independent speaker verification

DA Reynolds - Fifth European Conference on Speech Communication and ..., 1997 - ISCA

... **speaker**-dependent bkg set UBM-**adapt** UBM-independent 0.1 ... produced by the different

recognition sys- tems ... it became clear that **speaker models** were producing ...

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Channel robust speaker verification via feature mapping

DA Reynolds - 2003 IEEE International Conference on Acoustics, Speech, and ..., 2003 - IEEEexplore.ieee.org

... is not tied to any particular **recognition** structure or ... With SMS, separate **speaker**

models must be maintained and ... dependent GMMs are trained by **adapting** the root ...

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An overview of speaker recognition technology

S Furui - Automatic Speech and Speaker Recognition, Advanced Topics - books.google.com

... diagram of the text-prompted **speaker recognition** method ... to properly create these

speaker-specific phoneme ... they are made by **adapting speaker**-independent phoneme ...

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E-HMM approach for learning and adapting sound models for speaker indexing- •psu.edu (PDF)

S Meignier, JF Bonastre, S Igounet - 2001: A Speaker Odyssey-The Speaker Recognition Workshop, 2001 - ISCA

E-HMM approach for learning and **adapting** sound **models** ... takes advantage of the different

components of AMIRAL au- tomatic **speaker recognition** system (ASR ...

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Score normalization for text-independent speaker verification systems

R Auckenthaler, M Carey, H Lloyd-Thomas - Digital Signal Processing, 2000 - Elsevier

... results are obtained when the **speaker's** weights ... The verification performance due

to adaptation of mixture ... but neither improves upon **adapting** the means only. ...

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A hidden Markov model based keyword recognition system

RC Rose, DB Paul - Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., ..., 1990 - IEEEexplore.ieee.org

... the relatively poor performance of the **Adapt**. ... this clean channel keyword **recognition**

paradigm by ... considerable interspeaker and intersession **speaker** variability ...

[Cited by 212](#) - [Related articles](#) - [Web Search](#)

A **speaker** verification system using alpha-nets

MJ Carey, ES Parris, JS Bridle - Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., ..., 1991 - [ieeexplore.ieee.org](#)

... We have proposed a new method of **speaker** verification using pairs of competing Hidden

Markov **Models**. ... can be further improved by **adapting** the parameters ...

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Speaker adaptation of tied-mixture-based phoneme **models** for text-prompted **speaker** recognition

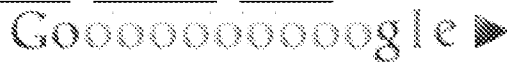
T Matsui, S Furui - 1994 IEEE International Conference on Acoustics, Speech, and ..., 1994 - [ieeexplore.ieee.org](#)

... For this type of **speaker** recognition, **speaker**-specific phoneme **models** ... to that of

the **speaker** through phoneme ... Therefore, it call **adapt models** of phonemes that ...

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Key authors: [D Reynolds](#) - [C Leggetter](#) - [P Woodland](#) - [T Quatieri](#) - [R Dunn](#)



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